

Serial No. 09/849,038

PATENT
Docket No. 54317-013200**REMARKS**

Responsive to the Final Office Action of June 30, 2004, reconsideration of the above application is respectfully requested.

Independent claims 1, 7, 12, 18, 25, 26 and 27 were rejected under 35 U.S.C 103(a) as being unpatentable over Myers et al. (US. Pat. 5,909,291) in view of Teng et al. (US. Pat. 6,165,546). Independent claim 14 was rejected under 35 U.S.C 103(a) as being unpatentable over Myers et al. in view of Teng et al. and DeLeew (US. Pat. 5,057,912). Independent claims 22-24 were rejected under 35 U.S.C 103(a) as being unpatentable over Teng et al. in view of Rahmlow (US. Pat. 5,523,882).

Specifically, the Examiner contends that the filters of Teng (Fig. 2) can be combined with the teachings of Myers, DeLeew, or Rahmlow to show that the resulting combination increases or maximizes the color gamut of the display.

Respectfully, the Applicants' disagree with the Examiner. The goal of the Teng system is to maximize or increase the contrast and not increase the gamut of the display. This is achieved by means of **bandpass** filters (FIG. 2) that are clearly designed to pass signal components in the region of **substantial overlap of the adjacent primary colors**. This is clearly evident from FIG. 2 which shows, for example, a filter having a **bandpass centered** at a frequency, corresponding to about 480nm, such that signals in the region where there is **substantial overlap** in the **blue and green component primaries** are passed unaltered (or non-attenuated). This clearly achieves the goal for **contrast enhancement** which is the objective of the Teng invention.

In contrast, as shown in FIGs. 5 and 6, the filters according to the present teachings are designed to maximize or increase color gamut and are designed so that the filters have a stop region located between spectra corresponding to adjacent primary colors and specifically, the **stop region of the filter includes the region**

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of substantial overlap between the spectra of the adjacent primary colors. For example, the stop band of the filter, according to the present system as shown in FIG. 6, adjacent to the blue and green color components is centered at about 480nm for maximizing color gamut.

Accordingly, the system obtained by combining Teng with either Myers, DeLeew and/or Rahmlow includes a filter for maximizing contrast, and not color gamut, wherein the filter has a bandpass region where there is substantial spectral overlap of adjacent primary components (FIG. 2 and col. 3, lines 1-5).

Accordingly, it is requested that the rejections applied to all claims be traversed.

Additional new claims 28-36, modeled after independent claims 1, 7, 12, 14, 18, 22, 24, 25, and 27, have been added, and are also allowable over the prior art.

Thus, in view of the above, it is submitted that this application is now in good order for allowance, and as such, early action is respectfully solicited. Should matters remain that the Examiner believes could be resolved in a telephone interview, the Examiner is requested to telephone the Applicants' undersigned attorney.

Respectfully submitted,


Christopher Darrow
Reg. No. 30,166

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Customer Number 33717
GREENBERG TRAURIG, LLP
2450 Colorado Avenue, Suite 400E
Santa Monica, CA 90404
Phone: (310) 586-7895
Fax: (310) 586-0295

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